

1 1. A method of erecting a tall tower comprising steps of:

2 A. dividing said tall tower into a number of sections including an upper section  
3 with a tower top and a lower section with a tower bottom, said tower sections being  
4 hinged together;

5 B. hinging said lower section to a tower base;

6 C. raising said lower section to a vertical position such that said tower bottom  
7 rests on said tower base; and,

8 D. raising said upper section to a vertical position above said lower section.  
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10 2. The method of claim 1 wherein prior to step B one of said sections is placed under  
11 another of said sections.  
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13 3. The method of claim 1 wherein prior to step D a heavy load is installed on said tower  
14 top.  
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16 4. The method of claim 1 wherein:

17 said number of sections includes an intermediate section;

18 prior to step B said sections are placed one under another; and,

19 said step C includes raising said intermediate section to a vertical position

20 subsequent to raising said lower section to a vertical position.  
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22 5. A method of erecting a tall tower comprising steps of:

- 1           A. dividing said tall tower into a number of sections including an upper section
- 2     with a tower top and a lower section with a tower bottom, said tower sections being
- 3     hinged together;
- 4           B. hinging said lower section to a tower base;
- 5           C. attaching a crane to a lift point on said lower section;
- 6           D. activating said crane to lift said sections to a vertical position with said lower
- 7     section resting on said tower base and said tower top of said upper section near said tower
- 8     base;
- 9           E. attaching a crane to a lift point on one of said sections;
- 10          F. partially activating said telescoping crane;
- 11          G. installing a temporary tower stand, which supports the partially erected tower
- 12     to allow the removal of said crane;
- 13          H. attaching said crane to a lift point on said upper section; and,
- 14          I. activating said telescoping crane to raise said upper section to a vertical position
- 15     above said lower section.
- 16
- 17     6. The method of claim 5 wherein subsequent to step B one of said sections is placed
- 18     under another of said sections.
- 19
- 20     7. The method of claim 5 wherein subsequent to step D a heavy load is installed on said
- 21     tower top.
- 22
- 23     8. The method of claim 5 wherein:

1        said number of sections includes an intermediate section;  
2        prior to step B said sections are placed one under another; and,  
3        said step C includes raising said intermediate section to a vertical position  
4        subsequent to raising said lower section to a vertical position.

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6        9. A method of erecting a tall tower comprising steps of:

7            A. dividing said tall tower into a number of sections including an upper section  
8        and a lower section;

9            B. hinging said lower section to a tower base;

10          C. hinging said upper and lower tower sections at a mid-point, with said upper  
11        section folded back onto said lower section;

12          D. attaching a crane to a lift point on one of said sections;

13          E. activating said telescoping crane to thereby lift said upper and lower sections to  
14        a vertical position with said lower section resting on said base and a top end of said upper  
15        section near said base;

16          F. installing a load onto said tower top end;

17          G. attaching said crane to an upper-section lift point on said upper section;

18          H. activating said crane to partially raise said upper section;

19          I. installing a temporary tower stand to support said upper section of said partially  
20        erected tower to allow removal of said crane;

21          J. relocating said crane to another side of said tower base;

22          K. reattaching said crane to said second lift point; and,

1           L. activating said telescoping crane to thereby raise said upper section with said  
2 attached load to a vertical position above said lower section.

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4    10. A tall tower comprising:

5           a number of sections including an upper section with a tower top and a lower  
6 section with a tower bottom, said tower sections having hinges that enable said sections  
7 to be hinged together;

8           said lower section having a hinge that enables said tower bottom to be hinged to a  
9 tower base;

10          a lower lift point located such that a crane can engage said lower lift point and lift  
11 said sections to a vertical position subsequent to said lower section being hinged to said  
12 tower base, such that said sections being in a vertical position said lower section tower  
13 bottom rests on said tower base and said top of said upper section is located near said  
14 base in order to facilitate attaching a load to said tower top; and,

15          said upper section having an upper section lift point located such that a a crane  
16 can engage said upper section lift point and lift said upper section to a vertical position  
17 subsequent to said lower section being raised to a vertical position.

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19    11. The tall tower of claim 10 wherein one of said sections is placed under another of said  
20 sections and said sections are hinged together.

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22    12. The method of claim 10 wherein a heavy load is installed on said tower top.

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1 13. The tall tower of claim 10 wherein:

2 said number of sections includes an intermediate section;

3 said sections are hinged together and placed one under another; and,

4 said intermediate section has an intermediate section lift point located such that a  
5 crane can engage said intermediate section lift point and lift said intermediate section to a  
6 vertical position subsequent to said lower section being raised to a vertical position.

7  
8 14. A tall tower comprising:

9 a number of sections including an upper section with a tower top, an intermediate  
10 section and a lower section with a tower bottom, said tower sections having hinges that  
11 enable said sections to be hinged together;

12 said lower section having a hinge that enables said tower bottom to be hinged to a  
13 tower base;

14 said lower section having a lower section lift point located such that a crane can  
15 engage said lower section lift point and lift said sections to a vertical position subsequent  
16 to said lower section being hinged to said tower base, such that said sections in a vertical  
17 position said lower section tower bottom rests on said tower base and said top of said  
18 upper section is located near said base in order to facilitate attaching a load to said tower  
19 top;

20 said intermediate section having an intermediate section lift point located such  
21 that a crane can engage said intermediate section lift point and lift said intermediate  
22 section to a vertical position subsequent to said lower section being raised to a vertical  
23 position; and,

1        said upper section having an upper section lift point located such that a crane can  
2        engage said upper section lift point and lift said upper section to a vertical position  
3        subsequent to said lower section being raised to a vertical position.  
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5        15. The tall tower of claim 14 wherein:

6               said sections are hinged together and placed one under another prior to said  
7        sections being raised.  
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9        16. The tall tower of claim 14 wherein a heavy load is installed on said tower top.  
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11        17. The tall tower of claim 15 wherein a heavy load is installed on said tower top.  
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